

**TABLE S-2 Summary of Alternatives Considered for the Paducah Conversion Facility EIS**

Alternative	Description	Options Considered
No Action	Continued storage of the DUF <sub>6</sub> cylinders indefinitely at the Paducah site, with continued cylinder surveillance and maintenance.	None.
Proposed Action	<p>Construction and operation of a conversion facility at the Paducah site for conversion of the Paducah DUF<sub>6</sub> inventory into depleted uranium oxide (primarily U<sub>3</sub>O<sub>8</sub>) and other conversion products. This EIS assesses the potential environmental impacts from the following proposed activities:</p> <ul style="list-style-type: none"> <li>• Construction, operation, maintenance, and D&amp;D of the proposed DUF<sub>6</sub> conversion facility at the Paducah site;</li> <li>• Conversion to depleted U<sub>3</sub>O<sub>8</sub> based on the proposed UDS technology;</li> <li>• Transportation of uranium conversion products and waste materials to a disposal facility;</li> <li>• Transportation and sale of the HF conversion product; and</li> <li>• Neutralization of HF to CaF<sub>2</sub> and its sale or disposal in the event that the HF product is not sold.</li> </ul>	<p><i>ETTP Cylinders:</i> This EIS considers an option of shipping DUF<sub>6</sub> and non-DUF<sub>6</sub> cylinders at ETTP to Paducah.</p> <p><i>Transportation:</i> This EIS evaluates the shipment of cylinders and conversion products by both truck and rail.</p> <p><i>Expanded Operations:</i> This EIS discusses the impacts associated with potential expansion of plant operations by extending the operational period and by increasing throughput through efficiency improvements.</p>
Alternative Location A (Preferred)	Construction of the conversion facility at Location A, an area that encompasses 35 acres (14 ha) located south of the administration building and its parking lot, immediately west of and next to the primary location of the DOE cylinder yards and east of the main plant access road.	
Alternative Location B	Construction of the conversion facility at Location B, an area that encompasses 59 acres (23 ha) directly south of the Paducah maintenance building and west of the main plant access road.	
Alternative Location C	Construction of the conversion facility at Location C, an area that encompasses 53 acres (21 ha) east of the Paducah pump house and cooling towers.	